

CLAIMS:

1. A transmitter of an apparatus for monitoring a condition of a tire, the transmitter comprising:

5 a valve stem for permitting flow of air into the tire;
an electronic element for transmitting a data representing the condition of the tire;
a casing for accommodating the electronic element; and
a coupler for coupling the valve stem to the casing such
10 that an angle of the casing relative to the valve stem is adjustable be controlled.

2. The transmitter according to claim 1, wherein a pair of grooves are formed in a proximal portion of the valve stem,
15 wherein the coupler has a pair of projections, and wherein the projections are fit into the grooves.

3. The transmitter according to claim 2, wherein each projection is movable along the corresponding groove.

20 4. The transmitter according to claim 2, wherein the projections are arcuate.

5. The transmitter according to claim 2, wherein the
25 projections extend from the casing, wherein the projections extend parallel to each other to define a space between the adjacent projections, and wherein a part of the valve stem between the grooves is fitted into the space.

30 6. The transmitter according to claim 1, further comprising a valve nut threaded to the valve stem to attach the valve stem to a wheel, wherein the angle of the casing is fixed by fastening the valve nut.

35 7. A transmitter of an apparatus for monitoring a condition

of a tire, the transmitter comprising:

a valve stem for permitting flow of air into the tire, wherein a pair of grooves are formed in a proximal portion of the valve stem;

5 an electronic element for transmitting a data representing the condition of the tire;

a casing for accommodating the electronic element; and

10 a coupler for coupling the valve stem to the casing such that an angle of an attachment of the casing relative to the valve stem is adjustable be controlled, wherein the coupler is fixed to the casing, wherein the coupler has a pair of arcuate projections, and wherein the projections are fitted into the grooves such that each projection is movable along the corresponding groove.

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8. The transmitter according to claim 8, wherein the projections extend from the casing, wherein the projections extend parallel to each other to define a space between the adjacent projections, and wherein a part of the valve stem
20 between the grooves is fitted into the space.

9. The transmitter according to claim 7, further comprising a valve nut threaded to the valve stem to attach the valve stem to a wheel, wherein the angle of the casing is fixed by
25 fastening the valve nut.

10. The transmitter according to claim 9, wherein, when the valve nut is loosened, the casing and the coupler is movable relative to the valve stem.